

NASA Status on JR Crew Training Planned and Completed

September 2016

Crew Training Coordinator (CTC)

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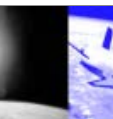
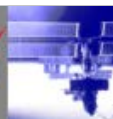
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48S (I49)

Joint Research training planned: (hours below do include interpretation)

(Green text classes have been completed)

- **48S/ Ryzhikov**

- **HRF Fluid Shifts, 14.5 hrs.**

- HRF Fluid Shifts Overview
- HRF Fluid Shifts Ultrasound Imaging
- HRF Fluid Shifts Hardware
- HRF Fluid Shifts Russian Ops
- HRF Fluid Shifts Russian Ops OCT
- HRF Fluid Shifts Integrated Ops

- Support classes:

- Cold Transfer Skills
- HRF BioSampling
- HRF Phlebotomy
- HRF Rack
- HRF Ultrasound-2
- HRF Tonometry

- **FCF Cool Flames JR, 4.5 hrs.**

- Cool Flames specific
- Support classes:
 - MWA
 - ARIS/PARIS Alignment Guides

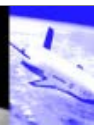
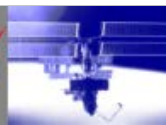
- **48S/ Borisenko**

- **Rodent Research (User) – 8.75 hrs.**

- Consent Briefing
- Care Briefing
- Rodent Generic Handling & Transfer
- Rodent Habitat Fam for JR

- Support classes:

- Cold Transfer Skills
- MSG





49S (I50)

Joint Research training planned: (hours below do include interpretation)

(Green text classes have been completed)

- **49S/ Novitskiy**

- **HRF Fluid Shifts, 13.0 hrs.**

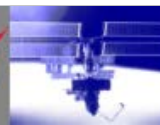
- HRF Fluid Shifts Overview
- HRF Fluid Shifts Ultrasound Imaging,
- HRF Fluid Shifts Hardware
- HRF Fluid Shifts Russian Ops
- HRF Fluid Shifts Russian Ops OCT
- HRF Fluid Shifts Integrated Ops
- Support classes:
 - Cold Transfer Skills
 - HRF BioSampling
 - HRF Phlebotomy
 - HRF Rack
 - HRF Ultrasound-2
 - HRF Tonometry

- **Rodent Research (User) – 8.0 hrs.**

- Consent Briefing
- Care Briefing
- Rodent Generic Handling & Transfer
- Rodent Habitat Fam for JR
- Support classes:
 - Cold Transfer Skills
 - MSG

- **FCF Cool Flames JR, 4.5 hrs.**

- Cool Flames specific
- Support classes:
 - MWA
 - ARIS/PARIS Alignment Guide





50S (I51)

Joint Research training planned: (completed hours below do include interpretation) (Green text classes have been completed)

- **50S/ Misurkin**

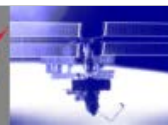
- **FCF Cool Flames JR, 3.5 hrs.**

- Cool Flames specific (Dec 2016)
- Support classes
 - MWA (Dec 2016)
 - ARIS/PARIS Alignment Guide (Dec 2016)

- **50S/ Tikhonov**

- **Rodent Research (Operator) – 23.75 hrs.**

- Consent Briefing
- Care Briefing
- Generic Rodent Skills
- ~~Rodent Skills 1~~ (waived due to loss of Oct trip)
- Rodent Skills 3
- Rodent Skills 4
- Rodent JR Increment Skills (Dec 2016)
- Rodent Habitat Animal Transfer (Dec 2016)
- Rodent Habitat Fam for JR (Dec 2016)
 - Support classes:
 - Cold Transfer Skills
 - MSG
 - HRF Rack
 - HRF Refrigerated Centrifuge





51S (I52)

Joint Research training planned: (completed hours do include interpretation)

(Green text classes have been completed)

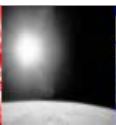
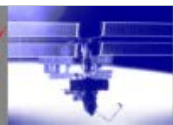
- **51S/ Yurchikhin**

- **FCF Cool Flames JR, 3.5 hrs.**

- Cool Flames specific (March 2017)
- Support classes:
 - MWA (Dec 2016)
 - ARIS/PARIS Alignment Guide (Dec 2016)

- **Rodent Research (User) – 7.75 hrs.**

- Consent Briefing (completed in Russia 27 July 2016)
- Care Briefing
- ~~Generic Rodent Skills~~
- ~~Rodent Skills 1~~
- ~~Rodent Skills 3~~
- ~~Rodent Skills 4~~
- ~~Rodent JR Increment Skills~~
- ~~Rodent Habitat Animal Transfer~~
- Rodent Generic Handling and Transfer (March 2017)
- Rodent Habitat Fam for JR (March 2017)
 - Support classes:
 - Cold Transfer Skills (Dec 2016)
 - MSG
 - HRF Rack
 - HRF Refrigerated Centrifuge





Proposed training for 52S (I53)

Joint Research training planned: (completed hours do include interpretation)

Skv consented for RR and Vgn will be tasked for Cool Flames/ACME per GCTC input on 7/25/16 at ITIWG f2f.

(Green text classes have been completed)

- **52S/ Skvortsov and Vagner**

- Payload Rack training for cosmonauts has been approved via ITCB, ETRIP, and MPTP to begin with I53/54 (52S).

- **Payload Rack classes, 4.5 hrs.**

- EXPRESS Rack
- HRF Rack
- HRF Refrigerated Centrifuge
- HRF Ultrasound 2
- MELFI
- MSG
- WOLF
- (completed in September)

- **52S/ Skvortsoz**

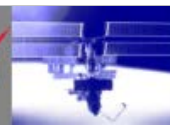
- **Rodent Research (Operator) – 21.25 hrs.**

- Consent Briefing, .5 hrs. – completed in Russia
- Care Briefing (Sept 2016)
- Generic Rodent Skills (Sept 2016)
- Rodent Skills 1 (Dec 2016)
- Rodent Skills 3 (May 2017)
- Rodent Skills 4 (May 2017)
- Rodent JR Increment Skills (June 2017)
- Rodent Habitat Animal Transfer (June 2017)
- Rodent Habitat Fam for JR (June 2017)
 - Support classes:
 - Cold Transfer Skills (June 2017)

- **52S/ Vagner**

- **FCF Cool Flames/ACME JR, 3.5 hrs.**

- Cool Flames/ACME specific, 2 hrs. (June 2017)
- Support classes, 1.5 hrs. (MWA & ARIS) (May)





Proposed training for 53S (I54)

Joint Research training planned: (hours below do not include interpretation)
(Green text classes have been completed)

- **53S/ Ryazanskiy**

- **Rack Familiarizations (User) – 4.5 hrs.**

November 2016

- EXPRESS
- HRF
- HRF Ultrasound 2
- MELFI
- MSG
- WORF

- **FCF Cool Flames/ACME JR, 3.5 hrs.**

- Cool Flames/ACME specific (June 2017)
- Support classes
 - MWA (Feb 2017)
 - ARIS/PARIS Alignment Guide (Feb 2017)

- **Rodent Research (Operator) – 24.75 hrs.**

- Consent Briefing
 - Per GCTC at ITIWG f2f July 2016, ICB will happen in Russia in August 2016. Not needed for FCF.
- Care Briefing (Nov 2016)
- Generic Rodent Skills (Nov 2016)
- Rodent Skills 1 (Feb 2017)
- Rodent Skills 3 (June 2017)
- Rodent Skills 4 (June 2017)
- Rodent JR Increment Skills
- Rodent RRR Increment Skills (Aug 2017)
- Rodent Habitat Animal Transfer (Aug 2017)
- Rodent Habitat Fam for JR (Aug 2017)
- Support classes:
 - Cold Transfer Skills (Aug 2017)
 - HRF Refrigerated Centrifuge (Nov 2016)

